FACULTÉ DE DROIT
UNIVERSITÉ SAVOIE MONT BLANC

Environmental economics and Externalities

ECTS
2 crédits

Composante
Polytech Annecy-Chambéry

En bref

- **Langues d'enseignement:** Anglais
- **Méthodes d'enseignement:** En présence
- **Forme d'enseignement :** Cours magistral
- **Ouvert aux étudiants en échange:** Oui

Présentation

Description

* Semester: 7th semester
* Duration : Within one semester
* Type: Mandatory
* 2 Ects
* Student workload: Lecture (CM): 21 hours
* Applicability: ESBC (common with SOLEM, first part) and SOLEM only after

Module examination: Graded readings (10%), Presentation at the end of the semester (20%), Final exam (70%).

Responsible person for the module : Aude Pommeret

Objectifs

Major intended learning outcomes

This course provides an in-depth understanding of the economic aspects of environmental issues and the policy interventions designed to address them. It covers theoretical frameworks and applied aspects of environmental economics, focusing on pollution control, resource management, and sustainable development.

Correspondence between major intended learning outcomes and assessment

The final exam will cover the entire course content, ensuring that students have retained and can apply basic economic principles to broader, more complex environmental scenarios discussed throughout the semester.

Heures d'enseignement

Environmental economics and Externalities - CM	Cours Magistral	21h

Pré-requis obligatoires

For non economists, recommended to read Perloff ch3&6

For economists, recommended to read Perloff ch5&10

Plan du cours

Course Outline:

* Introduction to economics; introduction to microeconomics (1 Lecture).
* Keywords: invisible hand, incentives, marginality, supply/demand curves, market equilibrium, optimum.
* Externalities, market failure, Pigovian fees, and the efficient level of pollution (2 Lectures).
* Keywords: rival and excludable goods, public and private goods, common property resources, tragedy of the commons, Coase theorem, polluter pays principle, taxes, subsidies, quotas.
* Exploitation of a non-renewable resource (1 Lecture). Keywords: fossil energy, minerals, Hotelling's rule, scarcity rent.
* Presentations (1 lecture)

For evaluation Using Perusall : www.perusall.com

Compétences visées

Learning Objectives:

By the end of this course, students will be able to:

* Understand and apply basic economic principles to environmental issues.
* Analyze environmental policies using economic tools.
* Evaluate the effectiveness and efficiency of various environmental regulations and market-based approaches.
* Develop economic arguments related to environmental management and sustainability.

Bibliographie

To get ready: Perloff J.M., *Microeconomics: Theory and Application with Calculus*, Pearson Education, 2018.

* Kolstadt C.D. : *Environmental Economics*, Oxford University Press, 2000, 2010.
* Perman R., Ma Y. and McGuilvray J. : *Natural Resources and Environmental Economics*, Pearson Education 3d ed., 2003
* Tietenberg T. and Lewis L. : Environmental Economics and Policy, Pearson Education, 6th ed
* Varian H. : Intermediate Microeconomics, W.W. Norton 9th ed.

Infos pratiques

Lieux

› Le Bourget-du-Lac (73)

Campus

› Le Bourget-du-Lac / campus Savoie Technolac